Osaka Gas to Participate in Electricity Balancing Services Business in Europe

November 10, 2021
Osaka Gas Co., Ltd.

Osaka Gas Co, Ltd. today announced its participation in electricity balancing[1] services business in Europe's balancing markets[2] through its wholly owned subsidiary Osaka Gas UK, Ltd. (OGUK) by underwriting a capital increase of Jedlix B.V. (Jedlix), an EV aggregator in the Netherlands.

Jedlix is a startup that has developed a balancing service platform to remotely control electric vehicles (EVs). Established in 2016 as a spin-off of Eneco, a Dutch integrated energy company, Jedlix has been in aggregator[3] business in the Netherlands, Belgium, France, Switzerland, Norway, Germany and the UK. Jedlix has been also expanding its business through EV smart charging app development in collaboration with EV manufacturers, charge point operators and energy retailers.

Solutions to the grid frequency stabilization has been increasingly needed as the amount of renewable energy production, which often fluctuates depending on weather conditions, has been on the rise in recent years. Jedlix is a front runner in this space in Europe, where renewables and balancing markets are highly developed, and the Daigas Group (Group) intends to further advance Jedlix's operations as the Group's new growth driver in its power business.

The Group plans to leverage Jedlix's aggregator expertise for the Group's contribution to grid frequency stabilization in other markets including Japan, where the Group is working to establish virtual power plants[4] (VPP) using ENE-FARM, a residential fuel cell unit, while providing demand response services[5] that aggregate the capacities of C&I customers' cogeneration systems.

[1]The power grid balancing needs to be constantly maintained by matching the power supply to demand through electricity charging and discharging in order to avoid causing blackouts and damaging infrastructures.

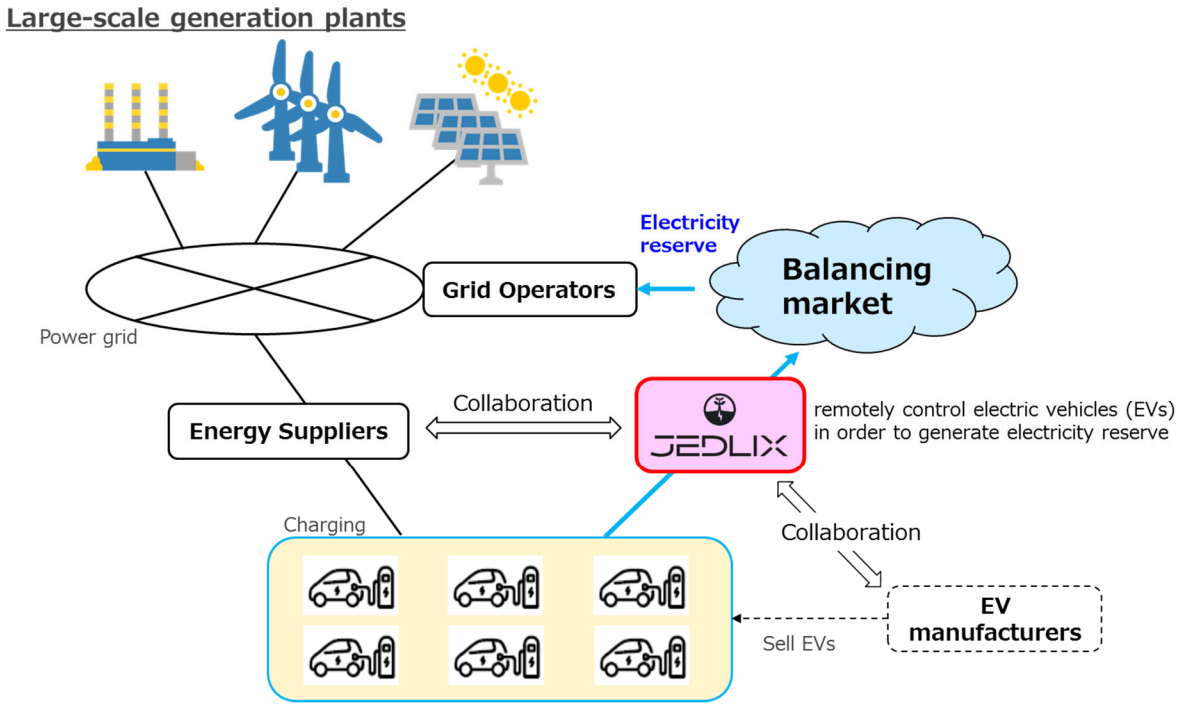
[2]The balancing market provides power grid operators with electricity reserves necessary to match the power supply to demand or maintain the grid frequency stabilization. Power grid operators issue grid balancing orders to electricity generators and aggregators, who receive fees for the services.

[3]Aggregators provide grid balancing by remotely controlling their customers' electricity generation units in accordance with the grid operators' balancing orders.

[4]A virtual power plant is a power supply service which aggregates and controls the capacities of decentralized power generating units as a single power plant by utilizing IT. .

[5]A demand response service is a power supply service which contributes to grid stabilization by aggregating the capacities of decentralized power generating units.

1. Business Scheme



2. Company Overview

Name	Jedlix B.V.
Location	Rotterdam, the Netherlands
Representative	Serge Subiron
Establishment	2016
Business description	– Balancing services using EVs – EV smart charging apps for EV manufacturers and energy retailers
Business area	– Operating in the Netherlands, France, Belgium, Switzerland, Norway, Germany and the UK.